

## 615-281 Emerging Technologies For Transformation

<b>Credit Points:</b>	12.50
<b>Level:</b>	2 (Undergraduate)
<b>Dates &amp; Locations:</b>	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus. Lectures and tutorial/practical sessions.
<b>Time Commitment:</b>	Contact Hours: 2 one-hour lectures per week; 1 two-hour tutorial/practical session per week. Total 48 hours. Total Time Commitment: 120 hours total time commitment.
<b>Prerequisites:</b>	<i>Informatics 1: Practical Computing or Shaping the Enterprise with ICT</i> Plus at least 75 first year level points.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	<i>Mobile Computing Applications</i>
<b>Core Participation Requirements:</b>	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
<b>Coordinator:</b>	Assoc Prof Rens Scheepers
<b>Subject Overview:</b>	<p>Since the early days of computerisation, ICT has influenced the nature of work and organizations. As ICT moves 'out of the office' and 'off the desktop', new ways of working are enabled, providing opportunities for innovation and even the radical transformation of work.</p> <p>This subject will examine the complex interplay between new ways of working (e.g. mobile and remote work, time shifting, teleworking) and innovative ICT (e.g. pervasive and ubiquitous technologies) that enable such transformation.</p> <p>Students will develop the necessary technical skills to design, implement and evaluate the individual and business benefits of a prototype application. In addition, students will be exposed to various forms and uses of such new technologies.</p>
<b>Objectives:</b>	<p>Upon completion of this subject, students should:</p> <ul style="list-style-type: none"> <li># have an understanding of information and communication technologies (ICTs) that can transform the nature of work and organisations.</li> <li># be familiar with theoretical concepts such as individual technology acceptance models, critical mass theory, business value and social perspectives on technology.</li> <li># be familiar with several approaches, frameworks and taxonomies that can guide the application and evaluation of transformative ICT in individual, organizational and societal contexts.</li> </ul>
<b>Assessment:</b>	Ongoing assessment of project work throughout the semester: group work of up to 5000 words (20%) and individual work of up to 2000 words (20%); a 2-hour written examination in the examination period (60%). Satisfactory completion of both project work and the examination is necessary to pass the subject.
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <b>Bachelor of Arts</b> (<a href="https://handbook.unimelb.edu.au/view/2009/D09">https://handbook.unimelb.edu.au/view/2009/D09</a>)</li> <li># <b>Bachelor of Biomedicine</b> (<a href="https://handbook.unimelb.edu.au/view/2009/J07">https://handbook.unimelb.edu.au/view/2009/J07</a>)</li> </ul>

	<ul style="list-style-type: none"> <li># <b><u>Bachelor of Commerce</u></b> (<a href="https://handbook.unimelb.edu.au/view/2009/F04">https://handbook.unimelb.edu.au/view/2009/F04</a>)</li> <li># <b><u>Bachelor of Environments</u></b> (<a href="https://handbook.unimelb.edu.au/view/2009/A04">https://handbook.unimelb.edu.au/view/2009/A04</a>)</li> <li># <b><u>Bachelor of Music</u></b> (<a href="https://handbook.unimelb.edu.au/view/2009/M05">https://handbook.unimelb.edu.au/view/2009/M05</a>)</li> <li># <b><u>Bachelor of Science</u></b> (<a href="https://handbook.unimelb.edu.au/view/2009/R01">https://handbook.unimelb.edu.au/view/2009/R01</a>)</li> </ul> <p>You should visit <b>learn more about breadth subjects</b> (<a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a>) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>Students should acquire a range of generic skills which include:</p> <ul style="list-style-type: none"> <li># high level of development: critical thinking; use of computer software.</li> <li># moderate level of development: oral communication; written communication; application of theory to practice.</li> </ul>
<b>Notes:</b>	Students undertaking this subject will be expected to regularly access an Internet-enabled computer.